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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/763,225	01/26/2004	Hong-chan Park	1349.1352	6551
21171	7590	06/25/2007		
STAAS & HALSEY LLP SUITE 700 1201 NEW YORK AVENUE, N.W. WASHINGTON, DC 20005			EXAMINER CAO, CHUN	
			ART UNIT 2115	PAPER NUMBER
			MAIL DATE 06/25/2007	DELIVERY MODE PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 10/763,225	Applicant(s) PARK ET AL.	
	Examiner Chun Cao	Art Unit 2115	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 11 June 2007.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1,2 and 4-23 is/are pending in the application.
 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 4,22 and 23 is/are allowed.
- 6) ☒ Claim(s) 1,2,5-12 and 14-21 is/are rejected.
- 7) ☒ Claim(s) 13 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date: _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date: _____ | 6) <input type="checkbox"/> Other: _____ |

FINAL REJECTION

1. Claims 1, 2 and 4-23 are presented for examination.
2. The text of those applicable section of Title 35, U.S. Code not included in this action can be found in the prior Office Action.
3. The rejections are respectfully maintained and incorporated by reference to the extent that is applicable to the newly amended claims as set forth in the last office action.
4. Claims 1-2, 5, 6, 10-12, 14, 15 and 19-21 are rejected under 35 U.S.C. 103(a) as being unpatentable over Iwata (Iwata), U.S. patent no. 6,865,621 in view of Kadowaki et al. (Kadowaki), US patent no. 5,521,854.

As per claim 1, Iwata discloses a mobile device [a laptop computer, col. 4, line 40], comprising:

a plurality of modules [figures 1, 3; col. 4, lines 22-55];

a control unit executing a predetermined program that uses at least one of the plurality of modules based on a program initiation control signal [col. 2, lines 25-31; col. 6, lines 36-45];

a power supply providing power to drive the plurality of modules; and a power control unit receiving information on the program that is executed by the control unit and selectively, based on predetermined selection information, supplying the power to the at least one module [col. 3, lines 15-34; col. 6, lines 36-54; col. 7, lines 15-19].

Iwata does not explicitly disclose a power control unit receiving information on the program that is executed by the control unit and selectively, based on recorded

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predetermined selection information selectively identifying an on/off operation on a driving of respective modules, depending on the information from the control unit of which program, of a plurality of programs, has been executed, supplying the power to the at least one module.

Kadowaki discloses that a power control unit receiving information on the program that is executed by the control unit and selectively, based on recorded predetermined selection information selectively identifying an on/off operation on a driving of respective modules, depending on the information from the control unit of which program, of a plurality of programs, has been executed, supplying the power to the at least one module [fig. 2; col. 2, lines 42-47; col. 3, lines 17-25; col. 4, lines 60-65; col. 5, lines 25-32; col. 5, line 56-col. 6, line 11].

It would have been obvious to one of ordinary skill in the art at time the invention to combine the teachings of Iwata and Kadowaki because they both teach power consumption in a computer system, and the specify teachings of Kadowaki stated above would optimize the performance of Iwata system by supplying power to plurality of modules based on power saving control registers.

As per claim 2, Kadowaki discloses that the recorded predetermined selection information limits power consumption of the mobile device to only modules necessary for the predetermined program execution [col. 3, lines 15-34; col. 6, lines 36-54; col. 7, lines 15-19].

As per claim 5, Iwata discloses that any one of the plurality of modules visually displays a result obtained by processing the executed program [col. 3, lines 17-25; col. 6, lines 60-65].

As per claim 6, Iwata discloses that any one of the plurality of modules comprises a display device for the visual displaying of the result obtained by the processing of the executed program [col. 4, line 48; col. 6, lines 15-23].

As to claims 19-21, Iwata and Kadowaki together teach the claimed method of steps. Therefore, Iwata and Kadowaki together teach the recording medium storing a computer program to carry out the method of steps.

5. Claims 7-9, 16 and 17 are rejected under 35 U.S.C. 103(a) as being unpatentable over Iwata (Iwata), U.S. patent no. 6,865,621 in view of Kadowaki et al. (Kadowaki), US patent no. 5,521,854 and Silvester (Silvester), US patent no. 6,631,469.

As per claim 7, Iwata and Kadowaki do not explicitly disclose a display device controlled by the control unit to display a menu window for setting the recorded predetermined selection information.

Silvester discloses that a display device controlled by the control unit to display a menu window for setting the recorded predetermined selection information [fig. 4; col. 3, lines 29-50].

It would have been obvious to one of ordinary skill in the art at time the invention to combine the teachings of Iwata and Kadowaki and Silvester because they teach power consumption of a computer system, and the specific teachings of Silvester stated

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above would optimize the performance of Iwata system by allowing a user to set the selection information.

As per claim 8, Silvester discloses that the menu window comprises a menu displaying the respective modules; a check box menu provided on one side of the displayed menu; and a setting menu selecting and modifying a value set in the check box menu [fig. 4; col. 3, lines 29-50].

As per claim 9, Silvester discloses that the setting menu modifies which modules are to be powered when at least the predetermined program is executed [col. 3, lines 29-50].

As to claims 10-12 and 14-18, claims 1-2 and 5-9 basically are the corresponding elements that are carried out the method of operating steps in claims 10-12 and 14-18. Accordingly, claims 10-12 and 14-18 are rejected for the same reason as set forth in claims 1-2 and 5-9.

Allowable Subject Matter

6. Claim 13 is objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

7. Claims 4, 22 and 23 are allowed over prior art.

8. Applicant's arguments filed 6/11/2007 have been fully considered but are in moot of new ground rejection.

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9. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Chun Cao whose telephone number is 571-272-3664. The examiner can normally be reached on Monday-Friday from 7:30 am-4:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Thomas C. Lee can be reached on 571-272-3667. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

June 22, 2007

A handwritten signature in black ink, appearing to read 'Chun Cao', is positioned above the printed name.

CHUN CAO
PRIMARY EXAMINER